

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P395516

Luminaire Tested: **I3-FL-30L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395516
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-FL-30L82765-1D-UNV-W2A-W-4 (2700K)
Description: CORELITE I3, FROSTED TOP COVER
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2514.3 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.43 / 1.49
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

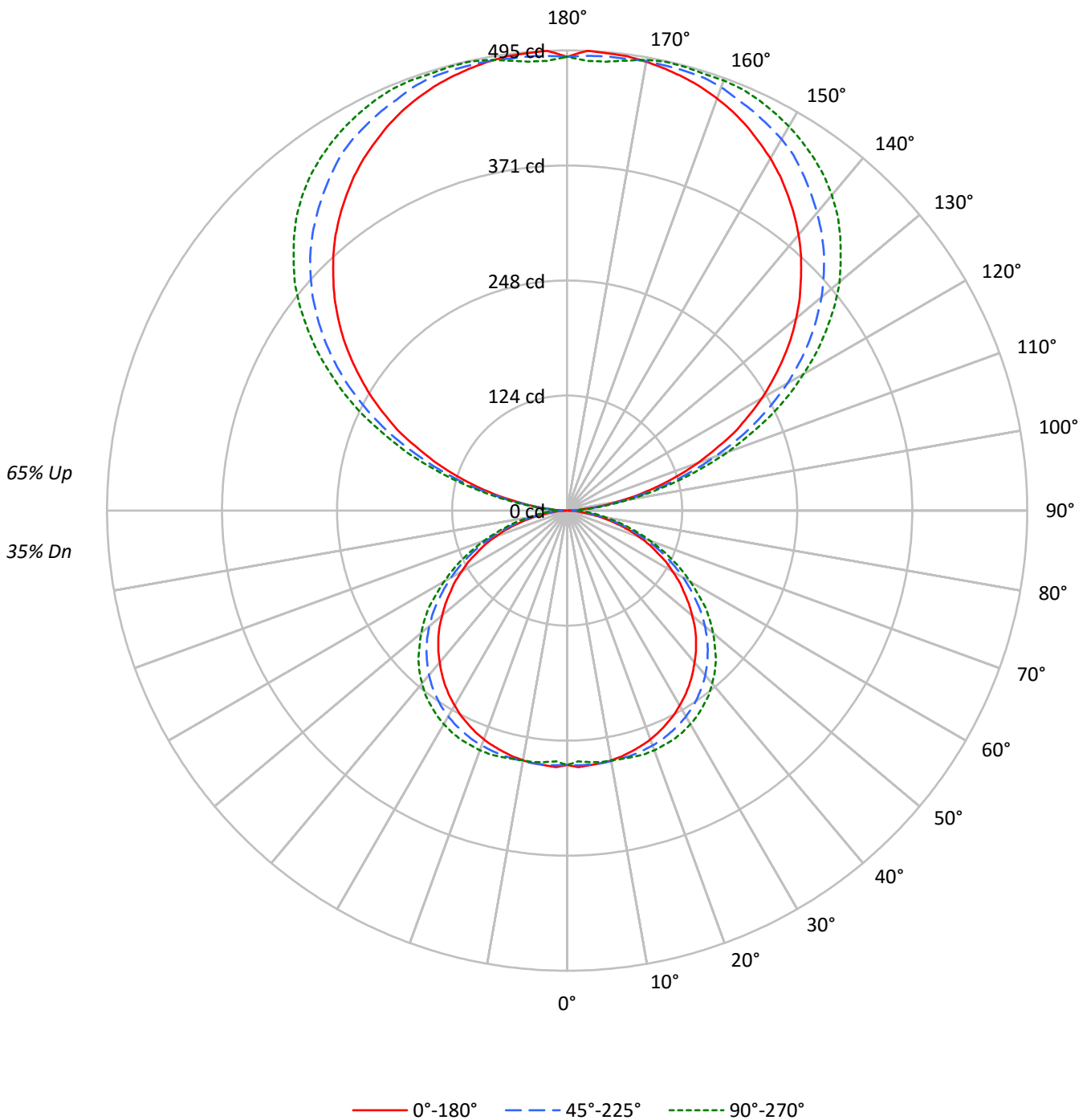
Input Watts (W): 20.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395516

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (2700K)

Luminous Intensity Polar Plot





TEST NUMBER: P395516

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (2700K)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
RC	80									70									50									30									10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0														
RCR																																						
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35																				
1	94	90	86	83	85	81	78	75	66	63	61	51	49	48	37	36	36	29																				
2	86	78	72	67	77	71	66	61	57	53	50	44	42	40	33	31	30	24																				
3	78	69	61	55	70	62	56	51	50	46	42	39	36	33	29	27	25	20																				
4	71	60	53	47	64	55	48	43	44	39	35	35	31	28	25	23	21	17																				
5	65	54	46	40	59	49	42	36	39	34	30	31	27	24	23	20	18	15																				
6	60	48	40	34	54	44	37	31	35	30	26	28	24	21	21	18	16	13																				
7	55	43	35	30	50	39	32	27	32	27	23	25	21	18	19	16	14	11																				
8	51	39	31	26	46	35	29	24	29	24	20	23	19	16	17	14	13	10																				
9	47	35	28	23	43	32	26	21	26	21	18	21	17	15	16	13	11	9																				
10	44	32	25	20	40	30	23	19	24	19	16	19	16	13	14	12	10	8																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1504	1504	1504
5°	1511	1479	1456
10°	1512	1459	1439
15°	1508	1446	1433
20°	1509	1434	1431
25°	1505	1421	1425
30°	1499	1407	1412
35°	1492	1385	1391
40°	1477	1356	1361
45°	1462	1314	1319
50°	1428	1256	1255
55°	1388	1177	1180
60°	1341	1084	1066
65°	1275	971	947
70°	1184	828	799
75°	1030	658	636
80°	803	467	465
85°	437	267	305



TEST NUMBER: P395516

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (2700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.1	1.0
10°-20°	76.7	3.1
20°-30°	121.0	4.8
30°-40°	152.0	6.0
40°-50°	163.5	6.5
50°-60°	150.4	6.0
60°-70°	115.2	4.6
70°-80°	65.6	2.6
80°-90°	20.5	0.8
90°-100°	27.4	1.1
100°-110°	119.2	4.7
110°-120°	218.1	8.7
120°-130°	281.2	11.2
130°-140°	299.2	11.9
140°-150°	275.3	10.9
150°-160°	218.1	8.7
160°-170°	138.1	5.5
170°-180°	46.8	1.9
0°-30°	223.8	8.9
0°-40°	375.8	14.9
0°-60°	689.7	27.4
0°-90°	891.0	35.4
90°-120°	364.7	14.5
90°-150°	1220.4	48.5
90°-180°	1623.0	64.6
0°-180°	2514.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	274	274	274	274	274	
5°	275	272	274	273	272	26
15°	268	267	272	274	274	76
25°	253	254	263	270	272	117
35°	229	232	245	253	256	143
45°	196	201	214	223	226	151
55°	154	160	169	178	182	138
65°	107	110	117	123	125	106
75°	56	58	62	65	67	59
85°	10	13	17	22	23	13
90°	1	2	6	9	10	2
95°	18	18	20	23	23	23
105°	101	106	114	121	123	107
115°	198	207	224	235	241	194
125°	283	296	318	334	341	253
135°	356	368	391	407	416	275
145°	414	423	442	455	463	259
155°	457	462	474	483	488	210
165°	483	483	490	493	494	136
175°	494	490	490	488	485	47
180°	488	488	488	488	488	



TEST NUMBER: P395516

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	273.6	273.6	273.6	273.6	273.6	273.6	273.6	273.6	273.6	273.6	273.6
2.5°	276.3	275.6	274.9	273.6	273.6	272.9	272.9	272.9	272.9	273.6	274.3
5°	274.9	274.9	274.3	272.9	272.9	272.2	272.2	272.9	272.2	272.9	274.3
7.5°	274.3	274.3	273.6	272.2	272.2	272.2	272.2	272.2	272.2	272.9	274.3
10°	272.9	272.9	271.5	270.8	270.8	270.8	270.8	271.5	271.5	272.2	273.6
12.5°	270.8	270.1	269.5	268.8	268.8	268.8	269.5	270.1	270.1	271.5	272.9
15°	268.1	268.1	267.4	266.7	266.7	266.7	267.4	268.1	268.8	270.1	272.2
17.5°	265.3	265.3	264.7	264.7	264.7	264.7	265.3	266.0	267.4	268.8	270.8
20°	261.9	261.9	261.2	261.2	261.2	261.9	261.9	263.3	264.7	266.7	268.8
22.5°	257.8	257.8	257.8	257.1	257.8	258.5	259.2	260.5	261.9	264.0	266.7
25°	253.0	253.0	253.0	253.0	253.7	253.7	255.1	256.4	257.8	260.5	263.3
27.5°	248.2	248.2	248.2	247.5	248.9	249.6	250.3	252.3	253.7	257.1	259.9
30°	242.0	242.0	242.0	242.7	243.4	244.1	245.5	247.5	248.9	252.3	255.7
32.5°	235.9	235.9	235.9	235.9	237.9	238.6	239.3	241.3	244.1	247.5	250.9
35°	229.0	229.0	229.0	229.7	231.1	231.7	233.1	235.2	237.9	241.3	244.8
37.5°	221.5	222.1	222.1	222.8	224.2	225.6	226.9	229.0	231.7	235.2	238.6
40°	213.2	213.9	213.9	214.6	216.0	217.3	218.7	221.5	224.2	227.6	231.1
42.5°	205.0	205.7	205.7	207.1	208.4	209.8	211.2	213.9	216.7	220.1	222.8
45°	196.1	196.8	196.8	198.2	200.2	200.9	203.0	205.7	208.4	211.2	213.9
47.5°	186.5	187.2	187.2	188.6	190.6	192.0	193.4	196.1	198.2	201.6	204.3
50°	175.5	176.2	176.9	178.3	181.0	182.4	183.8	185.8	188.6	190.6	193.4
52.5°	165.2	165.2	165.9	167.3	169.4	170.7	171.4	173.5	176.9	179.6	182.4
55°	153.6	154.3	155.0	156.3	158.4	159.8	160.4	162.5	164.6	166.6	169.4
57.5°	143.3	143.3	144.0	145.4	147.4	148.1	148.8	150.2	152.9	155.0	157.0
60°	131.0	131.6	132.3	133.7	135.1	136.4	136.4	138.5	140.6	142.6	144.0
62.5°	120.0	120.0	120.7	122.0	122.7	124.1	124.1	126.2	127.5	129.6	131.0
65°	107.0	107.6	108.3	109.0	110.4	110.4	111.1	112.4	113.8	115.2	117.2
67.5°	95.3	95.3	96.0	96.7	97.4	97.4	98.0	99.4	100.8	102.2	103.5
70°	82.3	83.0	83.0	83.0	83.6	84.3	85.0	85.7	87.1	87.8	89.1
72.5°	69.3	69.3	69.9	69.9	70.6	71.3	72.0	72.7	73.4	74.7	75.4
75°	56.2	56.2	56.9	56.9	57.6	57.6	57.6	59.0	59.7	61.0	61.7
77.5°	43.2	43.9	43.9	43.9	44.6	45.3	45.3	45.9	47.3	48.0	48.7
80°	31.5	31.5	31.5	31.5	32.2	32.9	33.6	33.6	35.0	36.3	37.0
82.5°	19.9	19.9	20.6	21.3	21.3	21.9	22.6	23.3	24.7	25.4	26.1
85°	10.3	10.3	11.0	11.7	12.3	13.0	13.0	13.7	15.1	16.5	17.1
87.5°	3.4	4.1	4.1	4.8	5.5	6.2	6.9	7.5	8.9	10.3	11.0
90°	0.7	0.7	0.7	1.4	2.1	2.1	2.7	3.4	4.1	4.8	6.2
92.5°	6.2	6.2	5.5	6.2	6.2	6.2	6.2	6.9	7.5	7.5	8.9
95°	18.5	17.8	17.8	17.8	17.8	17.8	17.8	18.5	19.2	19.2	19.9
97.5°	35.7	35.7	35.0	35.0	35.7	35.7	35.7	36.3	37.7	37.0	38.4
100°	55.5	55.5	54.9	55.5	56.2	56.9	58.3	58.3	59.7	59.7	61.7
102.5°	78.2	78.2	77.5	78.8	79.5	80.9	80.9	82.3	84.3	84.3	87.1
105°	100.8	101.5	101.5	102.8	104.2	105.6	105.6	107.6	110.4	110.4	113.8
107.5°	125.5	126.2	126.2	127.5	128.9	130.3	131.0	133.7	136.4	137.1	141.2
110°	149.5	150.2	150.8	152.2	153.6	155.6	157.0	159.8	163.2	164.6	168.0



TEST NUMBER: P395516

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	172.1	174.8	175.5	177.6	179.6	181.7	183.1	186.5	190.6	192.7	196.8
115°	198.2	199.5	200.2	202.3	205.0	207.1	208.4	211.9	216.0	218.7	223.5
117.5°	219.4	222.8	223.5	225.6	228.3	230.4	231.7	235.9	240.7	244.1	248.9
120°	242.0	244.8	247.5	248.9	250.9	253.7	255.1	259.2	264.7	268.1	273.6
122.5°	262.6	265.3	268.1	270.1	272.9	274.3	276.3	281.1	286.6	290.7	296.2
125°	283.2	286.6	288.7	290.7	294.1	295.5	297.6	302.4	307.9	312.7	318.1
127.5°	303.1	305.1	308.5	309.9	313.3	314.7	316.8	322.3	327.7	332.5	338.0
130°	321.6	324.3	327.1	327.7	331.9	333.9	336.0	340.8	346.9	351.7	357.2
132.5°	339.4	340.8	344.2	346.3	349.7	351.7	353.8	357.9	364.1	368.9	374.4
135°	355.8	357.2	361.3	363.4	365.4	367.5	370.2	374.4	380.5	385.3	390.8
137.5°	372.3	373.7	377.8	379.8	381.2	383.3	385.3	389.4	395.6	400.4	405.2
140°	387.4	388.8	391.5	394.2	395.6	397.0	399.0	403.2	408.6	413.4	418.2
142.5°	401.1	402.5	405.2	408.0	410.0	410.0	412.1	415.5	421.7	426.5	430.6
145°	414.1	414.8	417.6	420.3	423.0	423.0	423.7	427.2	432.6	438.1	442.2
147.5°	426.5	427.2	429.2	432.0	434.0	434.7	436.1	437.4	442.9	448.4	453.2
150°	437.4	438.1	439.5	442.2	443.6	445.0	446.4	447.0	451.2	456.0	461.4
152.5°	447.0	447.7	449.1	451.2	452.5	453.9	455.3	457.3	459.4	464.2	467.6
155°	456.6	457.3	458.0	460.1	461.4	462.1	462.8	465.6	467.6	470.4	473.8
157.5°	464.9	464.9	465.6	466.9	468.3	468.3	469.0	471.7	473.8	476.5	478.6
160°	471.7	471.7	472.4	473.8	473.8	474.5	475.2	477.2	478.6	482.0	484.8
162.5°	477.9	477.2	477.9	478.6	478.6	478.6	479.3	480.6	482.7	485.4	488.2
165°	482.7	482.7	482.7	483.4	483.4	482.7	482.7	484.1	485.4	487.5	489.6
167.5°	486.8	486.8	486.1	486.8	486.1	486.1	485.4	486.1	486.8	488.9	490.2
170°	490.2	489.6	489.6	489.6	488.9	488.2	488.2	488.2	488.2	489.6	490.9
172.5°	493.0	492.3	491.6	491.6	490.2	489.6	489.6	488.9	488.9	489.6	490.2
175°	493.7	493.0	492.3	492.3	490.9	490.2	489.6	489.6	488.9	489.6	490.2
177.5°	495.0	494.3	493.0	493.0	491.6	490.2	490.2	489.6	488.9	489.6	489.6
180°	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2



TEST NUMBER: P395516

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	273.6	273.6	273.6	273.6	273.6	273.6	273.6	273.6	273.6	273.6
2.5°	274.9	274.9	274.3	273.6	273.6	272.9	272.2	271.5	270.8	270.1
5°	274.9	274.3	273.6	273.6	272.9	272.9	272.9	272.2	271.5	271.5
7.5°	274.9	274.9	274.3	273.6	273.6	273.6	273.6	273.6	272.9	272.9
10°	274.9	274.3	274.3	274.3	273.6	274.3	274.3	273.6	273.6	272.9
12.5°	274.3	274.3	274.3	274.3	274.3	274.3	274.3	274.3	274.3	273.6
15°	272.9	273.6	273.6	274.3	274.3	274.3	274.9	274.9	274.3	274.3
17.5°	272.2	272.9	273.6	274.3	274.3	274.3	274.9	274.9	274.9	274.9
20°	270.8	271.5	272.2	272.9	272.9	273.6	273.6	274.3	274.3	274.3
22.5°	268.1	268.8	270.1	270.8	271.5	272.2	272.9	272.9	272.9	272.9
25°	265.3	266.7	267.4	268.8	269.5	270.1	270.8	270.8	270.8	271.5
27.5°	261.9	263.3	265.3	266.0	266.7	267.4	268.1	268.8	268.8	268.8
30°	257.8	259.9	261.2	262.6	263.3	264.0	264.7	264.7	265.3	265.3
32.5°	253.0	255.1	256.4	257.8	258.5	259.2	260.5	260.5	261.2	261.2
35°	246.8	248.9	250.9	252.3	253.0	253.7	255.1	255.7	255.7	255.7
37.5°	240.7	242.7	244.8	246.8	247.5	248.2	249.6	249.6	250.3	250.3
40°	233.1	235.2	237.2	239.3	239.3	240.7	241.3	242.0	242.7	242.7
42.5°	225.6	227.6	229.0	231.1	231.7	232.4	233.1	234.5	234.5	235.2
45°	216.7	218.7	220.1	222.1	222.8	223.5	224.9	225.6	226.3	226.3
47.5°	207.1	208.4	209.8	211.9	213.2	213.9	214.6	215.3	216.0	215.3
50°	196.1	197.5	199.5	201.6	202.3	203.0	204.3	204.3	205.0	205.0
52.5°	184.4	186.5	187.9	189.9	190.6	191.3	192.7	192.7	193.4	193.4
55°	171.4	172.8	174.2	177.6	178.3	179.0	180.3	180.3	181.0	181.7
57.5°	159.1	159.8	161.8	163.2	164.6	164.6	165.2	165.9	166.6	166.6
60°	146.0	146.7	148.1	150.2	150.2	150.8	152.2	152.2	152.9	152.9
62.5°	132.3	133.7	135.1	137.1	136.4	137.1	138.5	138.5	139.2	139.2
65°	118.6	119.3	120.7	122.0	122.7	122.7	123.4	124.1	124.8	124.8
67.5°	104.2	105.6	106.3	108.3	107.6	108.3	109.0	109.0	109.7	109.7
70°	90.5	91.2	92.6	93.2	93.2	93.9	94.6	94.6	94.6	95.3
72.5°	76.8	77.5	78.2	78.8	78.8	79.5	80.2	80.2	80.9	80.9
75°	62.4	63.8	64.5	65.8	65.1	65.8	67.2	67.2	67.2	67.2
77.5°	50.1	50.7	52.1	52.8	52.8	52.8	54.2	53.5	54.2	54.2
80°	37.7	38.4	39.8	40.5	40.5	41.1	41.8	41.8	41.8	42.5
82.5°	26.7	28.1	29.5	30.2	30.2	30.9	31.5	31.5	32.2	32.2
85°	18.5	19.9	21.3	21.3	21.9	22.6	23.3	23.3	23.3	23.3
87.5°	12.3	13.0	13.7	14.4	15.1	15.1	15.8	15.8	16.5	16.5
90°	6.9	7.5	8.2	8.9	8.9	9.6	9.6	10.3	10.3	10.3
92.5°	9.6	9.6	10.3	11.0	11.0	11.0	11.0	11.7	11.7	11.7
95°	20.6	21.3	21.3	22.6	22.6	22.6	23.3	23.3	23.3	23.3
97.5°	39.8	39.8	39.8	41.1	41.1	41.1	41.8	41.8	41.8	42.5
100°	62.4	63.1	63.1	65.1	64.5	65.8	65.8	65.8	65.8	66.5
102.5°	87.8	89.1	89.8	91.9	91.9	91.9	93.2	92.6	93.2	93.2
105°	115.2	116.6	117.2	119.3	120.7	120.7	122.0	121.4	122.0	122.7
107.5°	142.6	144.7	146.0	148.1	149.5	150.2	150.2	150.8	151.5	152.2
110°	170.7	172.8	176.2	178.3	179.0	180.3	181.0	181.7	182.4	183.8



TEST NUMBER: P395516

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	200.2	202.3	205.0	207.8	207.1	209.1	210.5	211.2	211.9	211.2
115°	226.9	229.7	232.4	235.2	235.2	236.5	239.3	240.0	240.0	241.3
117.5°	252.3	255.7	258.5	261.2	261.9	263.3	265.3	267.4	267.4	268.8
120°	277.0	281.1	283.9	286.6	288.0	288.7	290.7	293.5	293.5	293.5
122.5°	300.3	303.7	307.2	309.9	311.3	312.7	314.0	317.5	317.5	318.8
125°	322.3	326.4	329.8	332.5	333.9	335.3	338.0	340.1	340.8	340.8
127.5°	342.8	346.9	350.4	353.8	354.5	355.8	358.6	361.3	362.0	362.7
130°	362.0	366.1	369.6	373.0	374.4	375.0	378.5	380.5	381.9	382.6
132.5°	379.2	383.3	386.7	390.1	391.5	392.9	394.9	398.4	399.0	399.0
135°	394.9	399.0	402.5	406.6	407.3	408.6	411.4	413.4	414.8	415.5
137.5°	409.3	413.4	417.6	421.0	422.4	423.0	425.8	428.5	429.9	430.6
140°	422.4	426.5	430.6	433.3	434.0	436.1	438.1	440.9	442.2	442.9
142.5°	434.7	438.1	441.6	445.0	445.7	447.0	449.1	451.8	453.2	453.9
145°	445.7	449.1	451.8	454.6	455.3	456.6	458.7	460.8	462.1	462.8
147.5°	456.0	458.7	461.4	463.5	464.2	465.6	466.9	468.3	469.7	470.4
150°	464.9	466.2	469.0	470.4	471.0	472.4	473.8	475.2	476.5	477.2
152.5°	471.7	473.8	475.2	477.2	477.9	478.6	480.0	481.3	482.7	482.7
155°	477.2	479.3	480.6	482.7	483.4	484.1	485.4	486.1	487.5	487.5
157.5°	481.3	483.4	484.8	486.1	486.8	487.5	488.2	489.6	490.9	490.9
160°	486.1	486.8	487.5	488.9	488.9	489.6	490.2	490.9	492.3	492.3
162.5°	490.2	490.9	489.6	490.2	489.6	490.2	490.9	491.6	492.3	492.3
165°	491.6	493.0	492.3	493.0	493.0	493.0	493.0	493.7	493.7	493.7
167.5°	491.6	493.0	492.3	492.3	493.0	493.0	493.7	494.3	494.3	494.3
170°	491.6	492.3	491.6	490.9	491.6	491.6	491.6	492.3	492.3	492.3
172.5°	490.9	491.6	490.2	489.6	489.6	489.6	488.9	488.9	488.2	488.2
175°	490.2	490.2	488.9	488.2	488.2	488.2	486.8	486.1	485.4	484.8
177.5°	489.6	489.6	487.5	486.8	486.8	486.1	486.1	484.8	484.8	484.1
180°	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2

(END OF REPORT)